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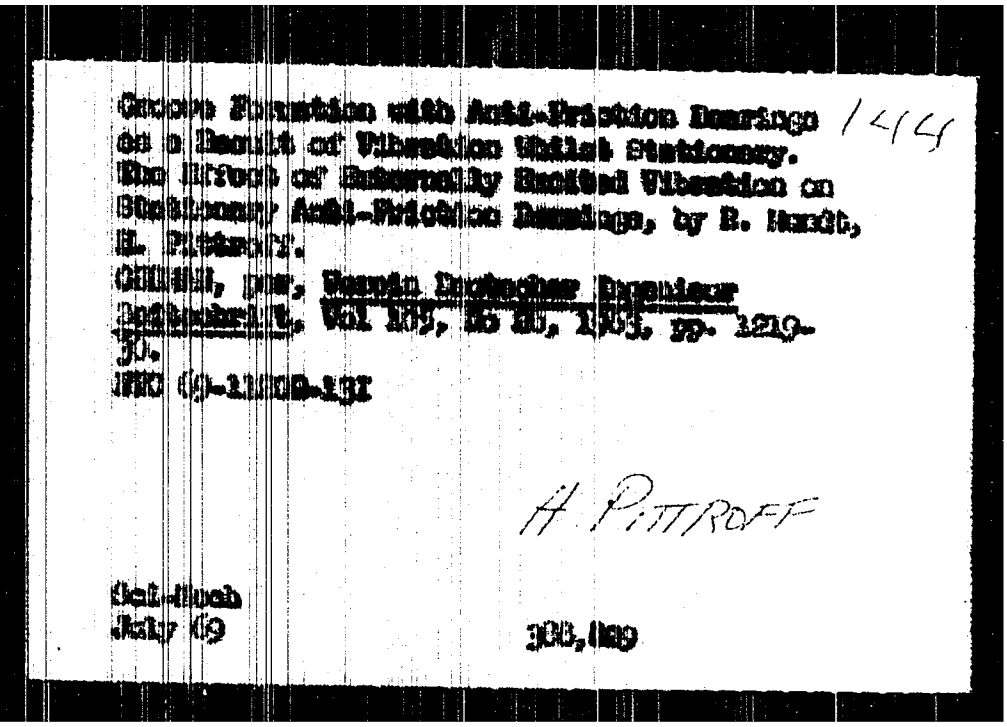

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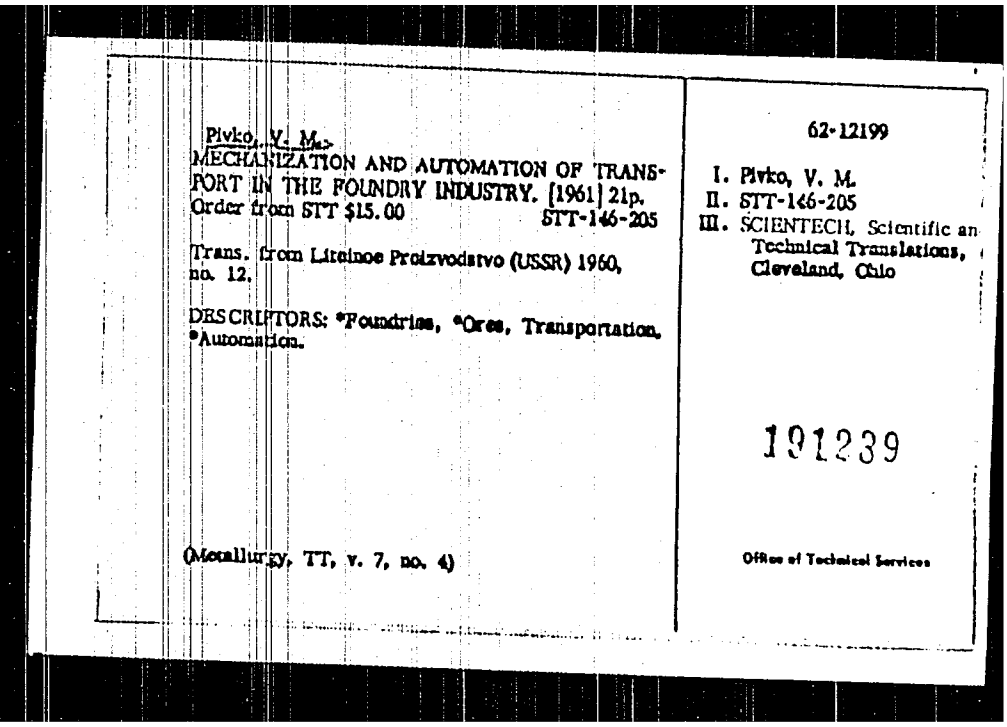

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A-5887

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

(FDD 26406)

Cultivator and Plant Food Distributor KRT-4.2, by S. Pivovar

RUSSIAN, per, Mashino-Traktornaya Stantsiya, May 1955, pp 41, 42.

CIA/FDD Sum 739

USSR
Econ - Technological, machine building

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

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Determination of the Optimum Process Temperatures for Catalytic Cracking, by A. T. Pivovarev,
RUSSIAN, per, Khim i Tekhnol Topliv i Masel,
Vol 9, No 9, 1964, pp 7-10.
ATS BJ-5358

A. T. Pivovarev

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June 70

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

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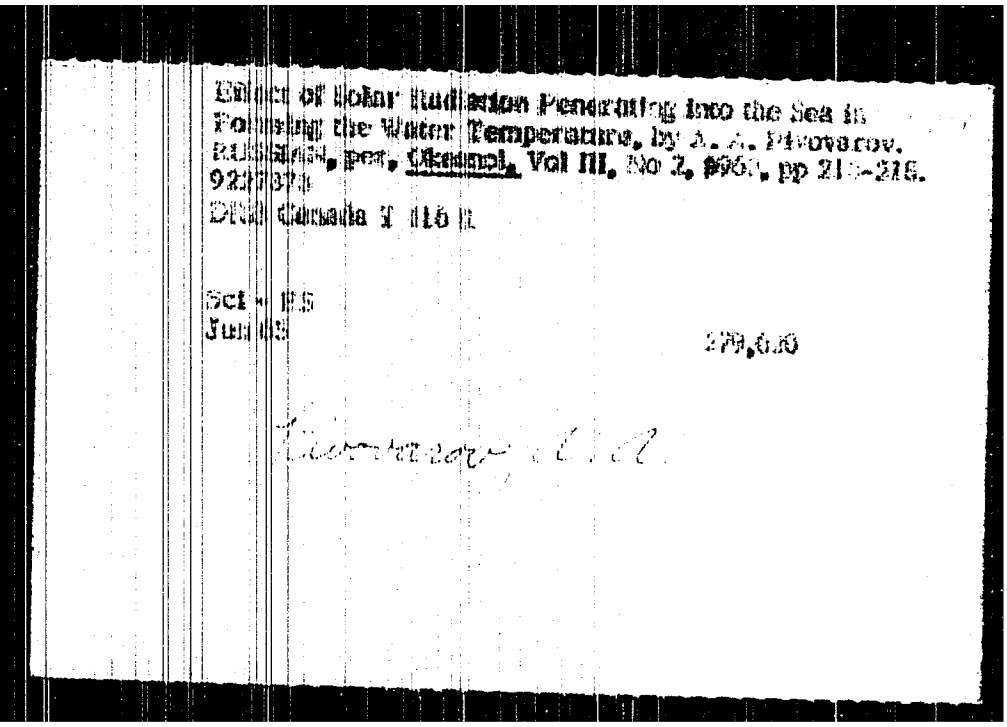

Effect of Solar Radiation Penetrating Into the Sea in Forming the Water Temperature, by A. A. Pivovarov, Russian, per. Okeanol, Vol III, No 2, 1963, pp 211-216.
92[illegible]
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Investigation of the Oxidation K Alloys Containing the Intermetallic Compound NiAl, by S. I. Kozhukhin, L. Kh. Pivovarov, and Ya. S. Umansky, 6 pp.

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X-Ray Diffraction Methods for Investigation of the Mosaic Structure of Metal, by Ya. S. Umanskiy, L. Kh. Pivovarov, 10 pp.

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CIA/TDD KK-661
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Physics
Sep 59

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USIB INTERNAL USE ONLY

Order from LC as SLA 59-15321

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

Pivovarov, L. R. and others.
DER EINFLUSS DER SELBSTERHITZUNG DER TORFE IN MIETEN AUF IHREN DUENGEWERT (The Influence of Self-heating of Peat in Clamps on their Manuring Value). 11p. (text in German).
Order from TIB $2.00

Trans. of Torfyanaya Promyshlennost'(USSR), 1961, [v. 38] no. 5, p. 26-29.

DESCRIPTORS: *Heating, Agriculture, *Clamps, Fertilizers, Peat.

(Agriculture, TT, v. 9, no. 6)

62-27216

I. Pivovarov, L. R. and others
II. Technische Informations-bibliothek Hannover

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Office of Technical Services

PB-

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

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The Contribution of Strong Interactions to the Pion Green's Function, by V. G. Pivovarov, 5pp

[illegible], par, Zhur Eksper i Teoret Fiz, Vol XLVI, [illegible] 1963, pp 2023-2028

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Vol XVII, No 6

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Effect of Intermolecular Interactions on First Order Raman Lines, by Ya. S. Bobovich, V. M. Pivovarov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Phys Sec, Vol CVIII, No 4, 1956, pp 607-

Amer Inst of Phys
Sov Phys "Doklady"
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Sci - Phys
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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

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Amer Inst of Phys
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Sci - Physics
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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

Photoelectric Recording of Spectra of Combination (Raman) Scattering of Powdery Materials, by Ia. S. Babovich, V. M. Pivovarov, 3 pp.

RUSSIAN, mo per, Zhur Eksper i Teoret Fiz, Vol XXIX, No 5, Nov 1955, pp 696-697.

Amer Inst of Physics
Soviet Physics, Vol II, No 3

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

The Influence of Concentration and Type of Solvent on the Raman Line Intensity of Totally Symmetric Vibrations of the Nitro Group and on the Electronic Absorption Spectra of Aromatic Nitro Compounds, by V. M. Tatevskiy, N. D. Ordyntseva, 3 pp.

RUSSIAN, per, Optika i Spektro, Vol VI, No 5, 1959, pp 620-624.

Optical Society of America

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

Methods of Control Used Against the Sugar Beet Web Worm With an Estimate of their Efficiency, by V. M. Pivovarov.

RUSSIAN, per, Zashch Rast, Vol I, 1935, pp 103-114. 421 P942.

USDA Trans No 190

USSR
Scientific - Biology, plant protection, sugar beet, worms

N 9232

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

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SEEEE (NY-3166).

The Coke Chemical Industry in Czechoslovakia,
by Yu. L. Pivovarov, 8 pp.
RUSSIAN
SHEEE, per, Koks i Khimiya, No 9, 1959, pp 61-64.

JPRS-2055-N

EEur - Czech
Econ - Industrial
Sci - Chem
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On the Application of Mechanisation to Processing Antimeridian Observations, by Z. I. Pivovarova, V. A. Manyuglina.

RUSSIAN, per. Trudy Glav Geofiz Observ, No 129, 1962, pp 31-39.

NLL Ref: 5828.4 1963 (5 340)
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Sci. - Earth Sci & Astron
Aug 63

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

Pivovarova, Z. I.
THE CHIEF CHARACTERISTICS OF THE RADIATION REGIME OF THE EUROPEAN TERRITORY OF THE USSR (Osnovnye Kharakteristiki Radiatsionnogo Rezhima Evropeiskoi Territorii SSSR) tr. by Irene A. Donchoo. Oct 61 [21] p. 9 refs.
Order from OTS or SLA $2.60 62-13286

Trans. of Glavnaya Geofizicheskaya Observatoriya, Leningrad. Trudy (USSR) 1960, no. 115(177), p. 77-94.

DESCRIPTORS: USSR, Europe, *Thermal radiation, Sun, *Solar energy, Measurement, Diurnal variations, Albedo, Periodic variations, Meteorology.

The principal characteristics of the radiation regime in the European Territory of the USSR are investigated according to the data of actinometric stations taken during the IGY. Average monthly intensity values and monthly totals of the constituents of the radiation bal-
(Earth Sciences--Meteorology, TT, v. II, no. 1) (over)

62-13286

I. Pivovarova, Z. I.
II. Weather Bureau, Washington, D. C.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

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Characteristics of the Radiation Regime During Clear Weather, by Z. I. Pivovarova, 15 pp.

RUSSIAN, per, Trudy Glavnaya Geofizicheskaya Observatoriya, No 96, 1959, pp 84-100.

Amer Meteorol Soc T-R-373

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Sci - Geophys
Oct 60.

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

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Service Possibilities of Data Transmission. by
Bogdan Pinno, 6 pp. UNCL.

POLISH, per. Przeglad Telekomunikacyjny, No
Vol XXXIV, No 1, 1961, pp 1-4.

ACSI H-9079
ID 21650h3

Sci - Electronics
May 61

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

Piwowar, St.
TECHNOLOGICAL DETAILS OF ELECTRON BEAM WELDING [Technologische Besonderheitem beim Elektronenstrahlschweissen]. [1961] [3]p. 1 ref.
Order from SLA 51.10 61-10867

Trans. of Schweissen u[nd] Schneiden (West Germany) 1960 [v. 12, no. 10] p. 457-456.

DESCRIPTORS: *Electron beams, Focusing, Electrostatics, *Electric welding, Electronic equipment, Zone melting, Titanium, Manufacturing methods

Experiments showed that the size of the melting zone can be controlled within wide limits through the application of electrostatic focusing by adjustment of the distance between the edge of the focusing cathode shield and the cathode spiral. (Author)

(Machinery--Manufacturing, TT, v. 7, no. 4)

61-10867

I. Piwowar, S.

191049

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

Piwowarsky, E.
THE EFFECT OF LADLE ADDITIONS ON THE PROPERTIES OF CAST IRON. July 40 [32]p. 48 refs.
Order from SLA $3.60 61-18478

Trans. of Giesserei (Germany) 1940, v. 27, no. 1, p. 21-30 and no. 2, p. 47-52.

DESCRIPTORS: *Cast iron, *Iron alloys, Melting, Temperature, Heat treatment, Metallurgy.

(Unannounced)

61-18478

I. Piwowarsky, E.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

Piwowarsky, E.
LADLE ADDITIONS TO CAST IRON, Oct 40, 3p.
20 refs.
Order from SLA S .10 61-18477

Trans. of Giesserei (Germany) 1940, v. 27, 5 Apr, p. 124-125.

DESCRIPTORS: Cast iron, Additives, Metallurgical analysis.

(Unannounced)

61-18477

I. Piwowarsky, E.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

Improvement of Strength Properties of Cast Bessemer Steel, by E. Piwowarski, W. Patterson, F. Ishe;

GERMAN, pamphlet, Forschungsberichte des Wirtschafts and Verkehrsministeriumm Nordrhein-Westfalen, No 461, Oct 1958, pp 1-33, 9072300.

ACSIL No 1354

Sci

Nov 60

131,430

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

Melting Trials in an Acid-Lined and a Basic-Lined Cupola Conducted Under Comparable Conditions, by E. Piwowarsky, H. Schmidt.

Full translation.

GERMAN, per, Die Giesserei, Technisch-Wissenschaftliche Beihefte, No 6-8, 1952, pp 261-271.

Brutcher Tr 2992

Scientific - Melting, cupola, acid

A9233

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

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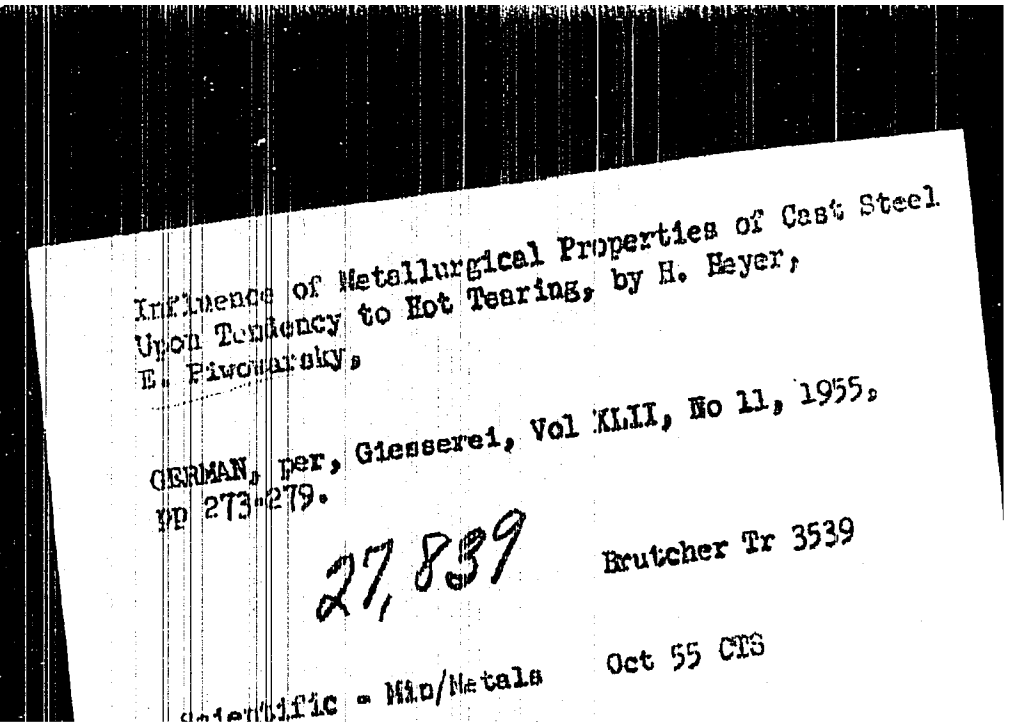

Influence of Metallurgical Properties of Cast Steel Upon Tendency to Hot Tearing, by H. Heyer, E. Piwowarsky,

GERMAN, per, Giesserei, Vol XLII, No 11, 1955, pp 273-279.

27,839 Brutcher Tr 3539

Scientific - Min/Metals Oct 55 CIS

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

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PIWOWARSKY, E.

Contribution to Constitution Diagram of Strontium-lead.

ZEIT-SCHRIFT FUR METALLKUNDE, vol 14,1922, pp 300-301;
1200 words.

Brutcher No 15, $2.40

A 2234

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

Media for Fluxing, Purifying, Degassing, Desulfurizing, and for Preventing Shrinkage Cavities in Nonferrous Metals and Iron and Steel Castings, by E. Piwowarsky.

GERMAN, Die Giesserei, Vol 38, 1951, No 18, pp 417-422.

Brutcher Tech Tr 2897

H9235

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

SUHSCHEN Z.
PIWOWARSKY E.

Die Giesserei, Vol. 21, 11 figures, 17 references; 3300 words; 1934.

Effect of Copper on Gray Cast Iron.

Brutcher trans., Order No. 174, $3.30

AM 2-37

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

SOHNCHEN, E.
PIWOWARSKI, E.

Archiv Eisenhuttenwesen, vol. 7, pp. 371-372, 16 graphs; 1400 words; 1934.

Influence of Chemical Composition of Cast Iron on its Wear Resistance.

Brutcher, Trans. Order No. 187, $1.40

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

SCHEICHL, R.
PIWOWARSKY, E.

DIE GIESSEREI, vol 22, 1935, pp 96-100

Precipitation Hardening of Copper-alloyed Cast Steel

Brutcher Trans 192, $2.70

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

PIWOWARSKY, E., et al

Rapid-CycleMalleabilizing.

DIEGIESSEREI, vol 25, 1938, pp 584-594,
5900 words.

Brutcher No 675, $ 5.90

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

Impact Strength and Notch Sensitivity of Cast Iron, by E. Piwowarsky, 21 p.

GERMANY, pub, Giesserei, 1936, Vol XXIII, No 26, pp 674-685.

SLA 59-20438

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Sci
Mar 60
Vol 3, No 1

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

Present Status of the Superheating of Melts of Cast Iron, by E. Piwowarsky, 15 p.

GERMAN, per, Giesserei, 1937, Vol XXIV, No 21, pgs 513-518.

BLA 59-20139

Sci
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Vol 3, No 1

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

Piwowarsky, E.
WHAT IS MEEHANITE (Was ist Meehanite)
[1963] [21p] (foreign text included 14refs
Order from SLA $2.60 TT-64-10541

Trans. of Giesserei (West Germany) 1953,
v. 40, no. 14, p. 354-359.

DESCRIPTORS: *Iron alloys, *Castings, Graphite, Crystallization, Mechanical properties, Manufacturing methods, Transformations, Austenite, Martensite.

(Metallurgy--Ferrous Metals, TT, v. 11, no. 6)

TT-64-10541

1. Title: Meehanite
I. Piwowarsky, E.

73858

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

MULLER, H. H.
PIWOWARSKY, E.

High Temperature Strength of Alloy and Plain Carbon, Cast Steels.

ARCHIV FUR DAS EISENHUTTENWESEN, vol 5, 1931-32, No 9, pp 483-485, 2400 words.

Brutcher No 925, $7.50 AI 8218

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

Mechanical Properties of Cast Iron at High Temperatures,
by R. Bertschinger, E. Piwowarsky.

GERMAN, per. Die Giesserei, Vol XXII, 1935.

Brutcher Tr No 878

Scientific - Min/Metals $1.20

14,020

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

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PIWOWARSKY, E.
KLEINEFENN, W.

Effect of Absorption of Oxygen and Nitrogen in Fusion Welding.

ARCHIV FUR DAS EISENHUTTENWESEN, vol 7, 1933-4, No 3, pp 205-208; 2400 words.

Brutcher No 927, $ 4.80

A 5422

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

PIWOWARSKY, E.

Die Giesserei, vol. 28; 4 figures, 1 table, 3600 words, 1941.

Effect of Type of Melting Furnace upon Quality of Cast Iron.

Brutcher Trans Order No. 1297 $4.50

A 9241

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

NATOH, G.
PIWOWARSKY, E.

Archiv Eisenhuttenwesen, vol. 11, 19 figures, 1 table, 3300 words; 1937.

Influence of additions of up to 0.1% Boron upon the Mechanical Properties of Cast Steel with 0-5% Nickel.

Brutcher, Trans. Order No. 1299, $4.10

A 5340

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

PIWOWARSKY, E.

STAHL UND EISEN, vol 64, 1944

The Aachen Hot-Blast Cupola

Brutcher Trans 1565, $1.00

A 7242

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

PIROWARSKY, E.

Die Giesserei, vol. 27, No. 15, 4 figures, 1400 words; 1940.

The So-Called Degree of Saturation with Cast Iron.

Brutcher Trans, Order No. 1605, $ 2.10.

AI 9243

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

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PIWOWARSKY, E.

ARCHIV EISENHUTTENWESEN, vol. 7, 10 figures, 1000 words, 1934

Rate of Solution of Graphite in Liquid Iron.

Brutcher Trans., Order No. 1707 $1.50

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

PIWOWARSKY, E.
KRAMER, K.

Fundamental Studies at an Experimental Cupola.

DIE NEUE GIESSEREI, tech.-Wissenschaftliche Beihefte, 1949, No 1, pp 3-10; 6300 words.

Beutcher No 2323, $1.60

A 6098

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

PLUCHARSKY, E.
EMMELER, H.

TECHN. ABSTRACTS. BEIHEFTE, 1950, No 4, p 161-165

Essentials to Production of Hot Cupola Iron and Advantages of an Effective Hard Coating of the Coke.

Brutcher Trans 2673, $6.90

A2317

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

Piwowarsky, E.
STATUS, DEVELOPMENT AND FUTURE OF NODULAR GREY CAST IRON. [Feb 52] 12p. (5 figs. omitted) 9 refs.
Order from SLA ml$2.40, ph$3.30 60-18823

Trans. of [Giesserei, Technisch-Wissenschaftliche Beihefte] (West Germany) 1950, no. 4, p. 175-180.

(Metallurgy--Ferrous Metals, TT, v. 5, no. 2)

60-18823

1. Cast iron--Development
1. Piwowarsky, E.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7

(DC-6066)

Determination of the Concentration and Dispersion of Liquid Aerosols, by Kvetoslav Spurny, Finantska Pravda, 13 pp. NOT OFFICIAL USE ONLY

CZECH, per, Pracovni Lekarstvi, Vol XIII, No 3, Apr 1961, pp 125-130.

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Sci - Med
Oct 61

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301720071-7